

Title (en)
COAL-DERIVED SOLID HYDROCARBON PARTICLES

Title (de)
FESTE KOHLENWASSERSTOFFTEILCHEN AUS KOHLE

Title (fr)
PARTICULES D'HYDROCARBURES SOLIDES DÉRIVÉES DU CHARBON

Publication
EP 3538243 A1 20190918 (EN)

Application
EP 17869692 A 20171110

Priority
• US 201662421128 P 20161111
• US 2017061168 W 20171110

Abstract (en)
[origin: US2018134977A1] The coal-derived solid hydrocarbon particles are discrete particles of coal-derived carbonaceous matter having a particle size less than about 10 µm that are substantially free of inherent or entrained mineral matter. The particles of have an average particle size in the range from 1 µm to 8 µm. The particles of coal-derived carbonaceous matter are milled to a size approximately the same as a size of coal-derived mineral matter inherent in the coal source to release inherent coal-derived mineral matter particles such that the particles of carbonaceous matter and the particles of mineral matter are discrete and separable solid particles. Following separation, less than 1.5 wt. % discrete coal-derived mineral matter particles are associated with the discrete particles of coal-derived carbonaceous matter. Particles of coal-derived solid hydrocarbon matter are blended with a gaseous or liquid hydrocarbon fuel to form a two-phase hydrocarbon fuel feedstock.

IPC 8 full level
B01D 25/28 (2006.01); **B03D 1/02** (2006.01); **B03D 1/08** (2006.01); **B07C 5/12** (2006.01); **C10G 1/00** (2006.01); **C10L 1/32** (2006.01); **C10L 9/08** (2006.01)

CPC (source: EP RU US)
B01D 33/62 (2013.01 - RU); **B03D 1/02** (2013.01 - EP RU); **B03D 1/025** (2013.01 - EP); **B03D 1/08** (2013.01 - EP); **B03D 1/082** (2013.01 - RU); **B03D 1/10** (2013.01 - RU); **B07B 13/04** (2013.01 - RU); **C10G 73/36** (2013.01 - RU); **C10L 1/322** (2013.01 - EP RU US); **C10L 1/326** (2013.01 - EP RU US); **C10L 3/003** (2013.01 - EP US); **C10L 5/00** (2013.01 - US); **C10L 5/04** (2013.01 - EP US); **C10L 5/06** (2013.01 - US); **C10L 5/366** (2013.01 - EP US); **C10L 9/00** (2013.01 - RU); **B03D 2201/005** (2013.01 - EP); **B03D 2203/08** (2013.01 - EP); **C10L 10/02** (2013.01 - US); **C10L 10/06** (2013.01 - US); **C10L 2230/22** (2013.01 - EP US); **C10L 2250/06** (2013.01 - EP US); **C10L 2290/24** (2013.01 - EP US); **C10L 2290/28** (2013.01 - EP); **C10L 2290/54** (2013.01 - EP US); **C10L 2290/547** (2013.01 - EP US)

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US 201715809790 A 20171110; AU 2017357812 A 20171110; BR 112019009623 A 20171110; CA 3043197 A 20171110; CN 201780080796 A 20171110; EP 17869692 A 20171110; EP 22197292 A 20171110; MX 2019005387 A 20171110; RU 2019117770 A 20171110; US 2017061168 W 20171110; US 202016839870 A 20200403; ZA 201903411 A 20190529